

Figure 1A

ATGTCGAAA	TTGAACTAAA	ACAACTATCT	TTTGCCTATG	ATAATCAAGA	AGTATTGCTT	60
TTTGATCAGG	CAAAATATCAC	GATGGATACC	AATTGGAAAT	TAGGATTGAT	TGGCCGCAAT	120
GGCCGTGGGA	AAACAACTTT	ATTAAGATTG	TTACAAAAC	AGTTGGATTA	CCAAGGAGAG	180
ATTCTTCATC	AAGTCGATTT	CGTCTATTTT	CCACAAACAG	TTGCAGAAAG	ACAAACAGCTC	240
ACTTATTATG	TCTTACAAGA	GGTGACTTCT	TTTGAACAGT	GGGAAATTAGA	ACGAGAAATTA	300
ACGCTTTTAA	ACGTTGATCC	TGAAGTTTAA	TGGCGGCCCT	TTTCTTCTTT	ATCAGGCGGC	360
GAAAAGACGA	AAGTTTATTT	AGGTCTTCTT	TTTATTGAAG	AAAAATGCCCT	TCCTTTAAAT	420
GACGAGCCAA	CAAATCATTT	AGATCTAGCT	GGCAGACAAC	AAGTGGCTGA	ATATTTGAAG	480
AAAAAGAAAC	ACGGGTTTAT	TTTAGTCAGC	CACGATCGGG	CATTTGTTGA	TGAAGTGGTT	540
GATCATAATTT	TGCGGATTGA	AAAAAGTCAA	TTGACGCTGT	ATCAAGGGAA	TTTTTCTATT	600
TATGAAGAGC	AAAAAAAATT	AAGAGATGCT	TTTGAACTAG	CAGAAAAATGA	AAAAATCAAA	660
AAAGAAGTCA	ATCGCTTGAA	AGAAACCCGCT	CGTAAAAAAG	CGGAATGGTC	GATGAACCCGT	720
GAAGGTGATA	AGTACGGCAA	CGCTAAGGAA	AAAGGGAGCG	GGCGATTTT	TGATACAGGA	780
GCCATTGGTG	CCCGGGCAGC	GCGCGTAATG	AAGCGCTCGA	AACACATTTCA	ACAACGCGCC	840
GAAACACAAT	TAGCAGAAAA	AGAAAAACTA	TTAAAAGATC	TTGAGTATAT	TGATCCTTTG	900
TCAATGGATT	ATCAGCCCAAC	GCATCACAAA	ACATTATTGA	CGGTGGAAGA	GCTTCGTCTA	960

Figure 1B

GGCTACGAGA	AAAATTGGCT	ATTTCGCCCA	CTTTCCTTTT	CAATAAACGC	GGGAGAAATT	1020
GTTGGAATAA	CAGGGAAAAA	TGGCTCAGGA	AAATCGAGCT	TAATTCAGTA	TTTATTGGAT	1080
AATTTTCTG	GGGATTTCAGA	AGCGAAGCC	ACTTTGGCTC	ACCAATTAAAC	CATTTCCTTAT	1140
GTGCGCCAAG	ATTATGAAGA	CAATCAAGGA	ACTTTATCCG	AATTTCGAGA	GAAAAATCAG	1200
TTAGATTACA	CTCAATTTT	AAATAACTTA	CGAAAACTTG	GGATGGAGCG	CGCCGTTTTC	1260
ACTAATCGAA	TTGAACAAAT	GAGTATGGGG	CAACGGAAAA	AAGTCGAAAGT	AGCCAAATCA	1320
TTGTCTCAAT	CAGCTGAAC	TTATATTGG	GATGAACCCC	TAAATTACTT	GGATGTATT	1380
AATCATCAAC	AATTAGAAGC	GCTAATCTTA	TCTGTGAAGC	CTGCAATGCT	AGTGATTGAG	1440
CATGATGCAC	ATTTCATGAA	GAAAAATAACA	GATAAAAAAA	TTGTCTTGAA	ATCATAA	1497

Figure 2A

MetSerLysIleGluLeuLysGlnLeuSerPheAlaTyrAspAsnGlnGluValLeuLeu 20
PheAspGlnAlaAsnIleThrMetAspThrAsnTrpLysLeuGlyLeuIleGlyArgAsn 40
GlyArgGlyLysThrThrLeuLeuArgLeuLeuGlnLysGlnLeuAspTyrGlnGlyGlu 60
IleLeuHisGlnValAspPheValTyrPheProGlnThrValAlaGluGlnGlnLeu 80
ThrTyrTyrValLeuGlnGluValThrSerPheGluGlnTrpGluLeuGluArgGluLeu 100
ThrLeuLeuAsnValAspProGluValLeuTrpArgProPheSerSerLeuSerGlyGly 120
GluLysThrLysValLeuLeuGlyLeuLeuPheIleGluGluAsnAlaPheProLeuIle 140
AspGluProThrAsnHisLeuAspLeuAlaGlyArgGlnGlnValAlaGluTyrLeuLys 160
LysLysLysHisGlyPheIleLeuValSerHisAspArgAlaPheValAspGluValVal 180
AspHisIleLeuAlaIleGluLysSerGlnLeuThrLeuTyrGlnGlyAsnPheSerIle 200
TyrGluGluGlnLysLysLeuArgAspAlaPheGluLeuAlaGluAsnGluLysIleLys 220
LysGluValAsnArgLeuLysGluThrAlaArgLysLysAlaGluTrpSerMetAsnArg 240
GluGlyAspLysTyrGlyAsnAlaLysGluLysGlySerGlyAlaIlePheAspThrGly 260
AlaIleGlyAlaArgAlaAlaArgValMetLysArgSerLysHisIleGlnGlnArgAla 280
GluThrGlnLeuAlaGluLysGluLysLeuLeuLysAspLeuGluTyrIleAspProLeu 300
SerMetAspTyrGlnProThrHisHisLysThrLeuLeuThrValGluLeuArgLeu 320

Figure 2B

GlyTyrGluLysAsnTrpLeuPheAlaProLeuSerPheSerIleAsnAlaGlyGluIle 340
ValGlyIleThrGlyLysAsnGlySerGlyLysSerSerLeuIleGlnTyrLeuLeuAsp 360
 AsnPheSerGlyAspSerGluGlyGluAlaThrLeuAlaHisGlnLeuThrIleSerTyr 380
 ValArgGlnAspTyrGluAspAsnGlnGlyThrLeuSerGluPheAlaGluLysAsnGln 400
 LeuAspTyrThrGlnPheLeuAsnAsnLeuArgLysLeuGlyMetGluArgAlaValPhe 420
 ThrAsnArgIleGluGlnMetSerMetGlyGlnArgLysLysValGluValAlaLysSer 440
LeuSerGlnSerAlaGluLeuTyrIleTrpAspGluProLeuAsnTyrLeuAspValPhe 460
 AsnHisGlnGlnLeuGluAlaLeuIleLeuSerValLysProAlaMetLeuValIleGlu 480
HisAspAlaHisPheMetLysLysIleThrAspLysLysIleValLeuLysSer 498

Figure 3A

ATGAAAGAGA	TCGTAAACATT	AACAAACGTT	AGCTATGAAG	TAAAGGATCA	AAC TGTTTTT	60
AAACATGTAA	ACGCCAGTGT	TCAGCAAGGA	GATATCATTG	GGATTATCGG	CAAAAACGGC	120
GCTGGGAAAT	CTACGTTGCT	GCACCTCATT	CACAATGACT	TAGCCCCTGC	ACAGGGTCAA	180
ATCCTTCCGA	AGGATATAAA	ACTGGCTTTG	GTTGAACAGG	AAACCGCGGC	GTATTCCTTT	240
GCGGATCAGA	CACCTGCCGA	AAAGAAAGTTA	CTGGAGAAAT	GGCATGTGCC	TCTTCGTGAT	300
TTTTCATCAGT	TAAGCGGCGG	TGAAAAACTG	AAAGCGCGGC	TGGCGAAAAG	ACTATCAGAG	360
GATGCAGATC	TGCTGCTGTT	AGATGAACCG	ACAAACCACC	TTGATGAAAA	AAGCTTGCAA	420
TTTCTCATCC	AACAGCTGAA	ACATTATAAC	GGCACTGTGA	TTCTCGTTTC	TCACGATCGA	480
TATTTTITAG	ACGAAGCCGC	AACAAAAATA	TGGTCGCTTG	AGGATCAGAC	GCTGATTGAA	540
TTCAAAGGGA	ATTACTCCGG	GTATATGAAG	TTCCGGGAGA	AGAAAAGACT	CACCCAGCAG	600
CGTGAATATG	AAAAGCAGCA	AAAAATGGTT	GAACGGATTG	AAGCACAAAT	GAA TGGGCTC	660
GCTTCTTGGT	CGGAAAAAGC	CCATGCTCAA	TCGACGAAAA	AGGAAGGGTT	TAAAGAAATAT	720
CACCGGGTAA	AAGCGAAGCG	TACGGATGCC	CAGATAAAAT	CCAAGCAGAA	GCGGCTTGAA	780
AAAGAGCTTG	AAAAAGCAAA	GGCGGAACCC	GTACCCCCAG	AATATACAGT	CCGCTTTTCA	840
ATCGATACAA	CCCACAAAAC	AGGAAAAACGT	TTTTTTAGAA	TTCAGAAATGT	AACAAAAGCG	900
TTTGGAGAAA	GGACTCTCTT	TAAAAACGCA	AAC TTTACAA	TTCAGCACGG	CGAAAAAGGTT	960

Figure 3B

GCGATCATAG	GCCCCAATGG	CAGCGGAAA	ACGACATTAC	TGAACATCAT	TCTGGGACAG	1020
GAAACAGCAG	AAGGAAAGTGT	ATGGGTGTCG	CCGTCCGCAA	ACATCGGCTA	TTTAACGCAG	1080
GAGGTGTTTG	ATTGTCCCTTT	AGAACAAAACA	CCGGAAGAGT	TATTTGAGAA	TGAAACATTC	1140
AAAGCAAGGG	GGCACGTTCA	AAATCTGATG	AGGCACTTAG	GTTTTACAGC	CGCCCAATGG	1200
ACTGAACCGA	TCAAGCATAT	GAGTATGGGT	GAGCGTGTA	AGATCAAGCT	GATGGCATAT	1260
ATTCTGGAGG	AAAAGACGT	GCTGATTTTA	GATGAGCCGA	CAAACCATCT	CGACCTGCCG	1320
TCACGCGAAC	AGCTGGAAGA	AACACTGTCA	CAATACAGCG	GCACATTGCT	GGCGGTTTCA	1380
CATGACCGAT	ACTTTCTCGA	AAAAACAACA	AACAGTAAAC	TCGTCACTCT	AAACAACGGC	1440
ATCGAAAAGC	AGTTAAACGA	CGTTCCCTTCA	GAAAGAAATG	AGCGGGAGGA	GCTTCGGTTA	1500
AAGCTTGAGA	CAGAAAAGACA	AGAAAGTGCTG	GGAAAGCTCA	GTTTTATGAC	GCCAAAATGAT	1560
AAAGGGTATA	AGGAGCTTGA	TCAGGCTTTC	AATGAGCTTA	CGAAACGAAT	AAAAGAGCTG	1620
GATCATCAAG	ACAAAAAAGA	<u>CTGA</u>				1644

Figure 4A

MetLysGluIleValThrLeuThrAsnValSerTyrGluValLysAspGlnThrValPhe 20
 LysHisValAsnAlaSerValGlnGlyAspIleIleGlyIleIleGlyLysAsnGly 40
 AlaGlyLysSerThrLeuLeuHisLeuIleHisAsnAspLeuAlaProAlaGlnGlyGln 60
 IleLeuArgLysAspIleLysLeuAlaLeuValGluGlnGluThrAlaAlaTyrSerPhe 80
 AlaAspGlnThrProAlaGluLysLysLeuLeuGluLysTrpHisValProLeuArgAsp 100
 PheHisGlnLeuSerGlyGlyGlyLysLeuLysAlaArgLeuAlaLysGlyLeuSerGlu 120
 AspAlaAspLeuLeuLeuAspGluProThrAsnHisLeuAspGluLysSerLeuGln 140
 PheLeuIleGlnGlnLeuLysHisTyrAsnGlyThrValIleLeuValSerHisAspArg 160
 TyrPheLeuAspGluAlaAlaThrLysIleTrpSerLeuGluAspGlnThrLeuIleGlu 180
 PheLysGlyAsnTyrSerGlyTyrMetLysPheArgGluLysLysArgLeuThrGlnGln 200
 ArgGluTyrGluLysGlnGlnLysMetValGluArgIleGluAlaGlnMetAsnGlyLeu 220
 AlaSerTrpSerGluLysAlaHisAlaGlnSerThrLysLysGluGlyPheLysGluTyr 240
 HisArgValLysAlaLysArgThrAspAlaGlnIleLysSerLysGlnLysArgLeuGlu 260
 LysGluLeuGluLysAlaLysAlaGluProValThrProGluTyrThrValArgPheSer 280
 IleAspThrThrHisLysThrGlyLysArgPheLeuGluValGlnAsnValThrLysAla 300
 PheGlyGluArgThrLeuPheLysAsnAlaAsnPheThrIleGlnHisGlyGluLysVal 320

Figure 4B

AlaIleIleGlyProAsnGlySerGlyLysThrThrLeuLeuAsnIleIleLeuGlyGln 340
 GluThrAlaGluGlySerValTrpValSerProSerAlaAsnIleGlyTyrLeuThrGln 360
 GluValPheAspLeuProLeuGluGlnThrProGluGluLeuPheGluAsnGluThrPhe 380
 LysAlaArgGlyHisValGlnAsnLeuMetArgHisLeuGlyPheThrAlaAlaGlnTrp 400
 ThrGluProIleLysHisMetSerMetGlyGluArgValLysIleLysLeuMetAlaTyr 420
 IleLeuGluGluLysAspValLeuIleLeuAspGluProThrAsnHisLeuAspLeuPro 440
 SerArgGluGlnLeuGluGluThrLeuSerSerGlnTyrSerGlyThrLeuLeuAlaValSer 460
 HisAspArgTyrPheLeuGluLysThrThrAsnSerLysLeuValIleSerAsnAsnGly 480
 IleGluLysGlnLeuAsnAspValProSerGluArgAsnGluArgGluGluLeuArgLeu 500
 LysLeuGluThrGluArgGlnGluValLeuGlyLysLeuSerPheMetThrProAsnAsp 520
 LysGlyTyrLysGluLeuAspGlnAlaPheAsnGluLeuThrLysArgIleLysGluLeu 540
 AspHisGlnAspLysLysAsp 547